

19981217.qrp v01_n308.qrs.981217

Date: Thu, 17 Dec 1998 19:03:16 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1308

QRP-L Digest 1308

Topics covered in this issue include:

- 1) [27448] RE: TS-520 for QRP?
by dhlauten@juno.com (David H. Lauten)
- 2) [27449] Re:Parts: M54563P
by Niel Skousen <skousen@srv.net>
- 3) [27450] Bandpass filters/mechanical construction problems
by "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
- 4) [27451] Analog Devices
by Ron Stark <ku7y@dri.edu>
- 5) [27452] Kinda QRP
by Tim Pettibone <tpettibo@NMSU.Edu>
- 6) [27453] NEEDED drive mechanism needed for FT101
by "E. Andrews" <earlve3ab@igs.net>
- 7) [27454] Re: OHR-500 sidetone fix
by "Toru Kato JG1RVN" <jg1rvn@inv.co.jp>
- 8) [27455] Century 21 still available afterall !
by Roy Lincoln <WA4DOU@usa.net>
- 9) [27456] Elmer 205 and SPICE with NT 4.0 operating system
by "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
- 10) [27457] alinco DX77t
by K4NK@aol.com
- 11) [27458] Buy, trade, and sell items
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>
- 12) [27459] MFJ MorseTutor...??
by KF4EIB@aol.com
- 13) [27460] Re: Bad Propagation last night?
by Tom Palmer <n1tp@worldnet.att.net>
- 14) [27461] Century 21 Xcvr. still available
by Roy Lincoln <wa4dou@usa.net>
- 15) [27462] Sierra Agc.
by tshilhanek@juno.com
- 16) [27463] The book, Reflections
by "Craig B. Johnson" <johns516@maroon.tc.umn.edu>
- 17) [27464] T-kits - Thanks for comments
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>
- 18) [27465] Re: Canadian Prov. PQ in 10m Test ??
by Peter Larsen <larsenp@cadvision.com>
- 19) [27466] Voltage Standard?

- by Jim Lyons <jlyons@CAM.ORG>
- 20) [27467] New Vanity Call
by Ward Hill <w_hill@ns.net>
- 21) [27468] FS: Small ABS Project Boxes
by VE3JC - John C <jbcumming@wwdc.com>
- 22) [27469] Re: Canadian Prov. PQ in 10m Test ??
by k5zty@juno.com
- 23) [27470] Need DMM suggestions for xmas
by "John Burnley" <burnley-ia@worldnet.att.net>
- 24) [27471] Reflections Help
by k5ht@juno.com (George W. Lee)
- 25) [27472] 38S for Sale?
by William-McShan@ouhsc.edu (Mike McShan)
- 26) [27473] 10m Contest Results
by David Adams <adamsclan@netgate.net>
- 27) [27474] THANKS FOR THE HELP
by David Kidd <ka7ozo@pacifier.com>
- 28) [27475] Re: Heathkit Reflector
by dhlaute@juno.com (David H. Lauten)
- 29) [27476] FOX: Team scores (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
- 30) [27477] Re: Project Suggestion Idea...
by n3aaz-qrp@juno.com (John R Kirby)
- 31) [27478] Re: MFJ MorseTutor...??
by Duane Alles <ad6he@yahoo.com>
- 32) [27479] DG MOSFET vs. NE602
by John Levreault <jlevro@mediaone.net>
- 33) [27480] Re: Bad Propagation last night?
by hamjoel@juno.com
- 34) [27481] Public Awareness Award
by vlantz@juno.com (Vann G Lantz)
- 35) [27482] Son of FireBall Order Update 12/17
by William-McShan@ouhsc.edu (Mike McShan)
- 36) [27483] RE: Analog Devices
by "Ed Tanton" <n4xy@mindspring.com>
- 37) [27484] RE: Kinda QRP
by "Ed Tanton" <n4xy@mindspring.com>
- 38) [27485] Dynamic Range ramblings
by "Roger A. McCarty" <rmccarty@earthlink.net>
- 39) [27486] RE: Need DMM suggestions for xmas
by "Ed Tanton" <n4xy@mindspring.com>
- 40) [27487] rtty qrp... the way it should be done :-)
by hamjoel@juno.com
- 41) [27488] Norcal 40
by "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
- 42) [27489] PA3BWK's Ultimate CW site
by W5TB <w5tb@SoftHome.net>
- 43) [27490] FS/Trade/Buy items

by "Allan G. Taylor" <ataylor@heracles.llnl.gov>
44) [27491] Re: Elmer 205
by "Jim Kortge, K8IQY" <jokortge@cwix.com>
45) [27492] Question on Repair (not qrp)
by w4bld@juno.com
46) [27493] OHR-100 Drift Project.
by Ed Loranger <we6w@qsl.net>
47) [27494] printed circuit board trace inductors
by rex@ime.net (Rex Harper)
48) [27495] AR QRP 40m net results
by Robsparks@aol.com
49) [27496] C0G vs NP0 caps
by Roger Traylor <traylor@ECE.ORST.EDU>
50) [27497] Re: New Vanity Call
by Shepherd@aol.com

Date: Wed, 16 Dec 1998 16:24:14 EST
From: dhlauten@juno.com (David H. Lauten)
To: qrp-l@Lehigh.Edu
Subject: [27448] RE: TS-520 for QRP?
Message-ID: <19981216.163149.7087.4.DHLAUTEN@juno.com>

QRP-L Gang,

Can the Kenwood TS-520 be turned down for QRP use? How is the receiver?

I have opportunity to get one for a very fair price.

Please email direct.

Thanks in advance!

72 de David Lauten, KF4HAW
Conway, SC (near Myrtle Beach)

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Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 16 Dec 1998 14:33:20 -0700
From: Niel Skousen <skousen@srv.net>
To: JayMiller@aol.com, qrp-l@lehigh.edu

Subject: [27449] Re:Parts: M54563P
Message-ID: <4.1.19981216143126.009988c0@if.sciencetech.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Jay,
I've called them before and could have sworn they had a \$15-\$25 minimum,
but called again anyway
- NO MINIMUM, \$2.15 part is now back ordered... expected mid Jan

So, I'm still looking for a US sub...

TNX for the prod...

Niel

At 03:24 PM 12/16/98 -0500, you wrote:

>Niel,
>
> I have had real good luck calling Yaesu & just ordering the part. Did you try
>that route yet?
>
> I have a 747 & 757 too. The 757 was DOA on 10 meters, until I had found out
>several of the switching diodes {replaced with 1N914s} were open.
>
> replyto:wa5whn@hotmail.com
>
> Happy Holidays...Jay, WA5WHN

Date: Wed, 16 Dec 1998 17:29:29 -0600
From: "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
To: qrp-l@lehigh.edu
Subject: [27450] Bandpass filters/mechanical construction problems
Message-ID: <36784259.839E1904@uts.cc.utexas.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang,

Just re-learned an old lesson, but thought it might be very useful to
share with the "builders" on the list. I built my first prototype
2N2222 receiver on small radio shack perf boards and managed through
lots of blood, sweat and tears to get the receiver working. I then tore

it all down and started to build it as a single unit board. That's when my troubles started.

In the first version, I had constructed a bandpass filter at the front end going into the double diode balanced mixer and I used Zack Lau's circuit from his 40 meter rig in QRP Power. It worked great. To tune it, I ran a 7.040 MHz signal from a small crystal oscillator circuit into the filter and peaked the variable caps for a maximum signal by watching the signal on an O-scope.. In comparing the signal coming out with the one going in I had a very small loss. The input signal was a little less than 2.2 peak volts and the output was 2.0 peak volts on the scope. I was happy :-)

When I built it the second version I started with brand new components, but when I check the signal coming out with the signal going in I found the output (0.8 peak volts) was less than half the input (2.2 peak volts) in signal strength. No matter how much I "tweaked" the variable caps or "squeezed" the turns on the torroid coils, I couldn't get anywhere close. I started re-winding coils and changing the variable caps. All to no avail. Finally, about midnight last night, I switched out the fixed value caps and BINGO, got nearly all of the signal moving thorough the bandpass filter again. Very small loss and I am happy again.

The moral of this story is that not all caps are created equal. I'm sure this applies to the low pass filters in all of our output circuits as well. If you aren't getting as much signal moving through the circuit as you would like, start substituting those caps!

As it turned out, I had to switch to a different brand name of cap. After making the filter three different times with different coils and variable caps, I finally found that I just had a "lossy" set of fixed caps. But, hey, I never said this old dog learned new tricks quickly :-)

Keep those soldering irons hot!

Gary, KJ5VW

Date: Wed, 16 Dec 1998 13:46:40 -0800 (PST)
From: Ron Stark <ku7y@dri.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [27451] Analog Devices
Message-ID: <Pine.SOL.3.96.981216133921.14139A-1000000@vortex>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I just got a letter from Analog Devices. They said that a large number of their reject parts destined for distruction have made their way into the hands of some unauthorized distributors and are being sold. (As good parts I think)

These producs include mal functioning devices as well as parametric failures.

They "encourage all customers" to only buy Analog products from their authorized distributors only or directly from Analog.

Their list of Authorized North American Distributors is:

Allied Electronics, Inc.
Future Electronics, Inc.
Avnet Electronics, Inc.
Newark Electronics, Inc.
Pioneer-Standard Electronics, Inc
Semi-Dice, Inc.

The letter is signed by Michael B. Jacobes,
Vice President of Sales, North America.

I have no connection with any of the above firms and post this for your information only.

If you have any questions I suggest that you call Analog at:

(781) 329-4700

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Wed, 16 Dec 1998 14:56:40 -0700
From: Tim Pettibone <tpettibo@NMSU.Edu>
To: qrp-l@lehigh.edu
Subject: [27452] Kinda QRP
Message-ID: <3.0.2.32.19981216145640.006ab1c0@cnmailsvr.nmsu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang:

My son is stationed in Bosnia and I thought I'd send him a little shortwave receiver to help pass some of the time. I know nothing of SWL and would appreciate any advice you might have. I know this was an earlier thread so please send direct to me. I'll tally and post a single entry back to the list. OQRP - maybe I can get him interested in radio and hamming and QRP!

Tim K50I

Date: Wed, 16 Dec 98 16:26:59 PST
From: "E. Andrews" <earlve3ab@igs.net>
To: qrp-l@Lehigh.edu
Subject: [27453] NEEDED drive mechanism needed for FT101
Message-ID: <MAPI.Id.0016.0061726c7665336130303039303039@MAPI.to.RFC822>
MIME-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"; X-MAPIextension=".TXT"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Im posting this to help a local ham who has an FT101 which has severe dial drive problems. I think the part is similar to a Jackson Drive(gear reduction drive) AND of course if anyone has a Junkbox FT101 Id be interested in passing along that information to him. Anyone know who sells Jackson Drives..I know Oak Hills Research did but now are strickly kits and no parts..tnx in advance..earl VE3AB

Date: Thu, 17 Dec 1998 07:59:51 +0900
From: "Toru Kato JG1RVN" <jg1rvn@inv.co.jp>

To: "QRP-I ML" <qrp-1@Lehigh.EDU>
Subject: [27454] Re: OHR-500 sidetone fix
Message-ID: <199812162259.HAA06958@inv.co.jp>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-2022-JP
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

JG1RVN>Add 473 (0,47 micro F) capacitor between C208 and SW200.

'Correction'.

This value is not 0,47 micro F but 473=0,047 micro F is right!.
If you use 103=0,01 micro F, unwanted signal will be more reduced
but AF signal will be getting smaller at the same time.
So I recommend you 473 or 104=0,1 micor F.capacitor.

Thanks many many response to my e-mail. I am very much appriciated
to read yours.

Time is now friday 7:54 morning here, I should go work now.
It is a blue sky, almost no clouds in the sky and Mt.Fuji is beautiful.
72 from Tokyo.

Toru Kato JG1RVN
jg1rvn@inv.co.jp

Date: 16 Dec 98 16:07:38 EST
From: Roy Lincoln <WA4DOU@usa.net>
To: qrp-1@lehigh.edu
Subject: [27455] Century 21 still available afterall !
Message-ID: <19981216210738.80.qmail@www0s.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

My buyer who was so sure he wanted it, changed his mind, so my T/T Century 21
is still available. Thanks es 73 Roy Lincoln WA4DOU

Get free e-mail and a permanent address at <http://www.netaddress.com/?N=1>

Date: Wed, 16 Dec 1998 19:09:29 -0600
From: "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
To: QRP-L@lehigh.edu
Subject: [27456] Elmer 205 and SPICE with NT 4.0 operating system
Message-ID: <367859C9.9EAB6900@uts.cc.utexas.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,

I downloaded SPICE and it loaded and ran the demos just fine under NT 4.0. The generated graphs re-scaled and look great. However, when I try to run in a text file using an "old" spice model I had run on my MAC it doesn't work. Also, I can't seem to save any new files as SOMETHING.CIR and get this version of SPICE to recognize it. I must be doing something wrong. Hint: I'm a relatively new PC user and a relatively old MAC user. Me thinks I know where the problem lies, but knowing what to do about it is another matter.

Anyone else get "new" files to run under a NT 4.0 system????

Contact me off-list at: ghanson@uts.cc.utexas.edu

Thanks,

Gary

Date: Wed, 16 Dec 1998 18:58:46 EST
From: K4NK@aol.com
To: qrp-l@Lehigh.EDU
Subject: [27457] alinco DX77t
Message-ID: <e21be062.36784936@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang;

I wonder if any of you have ever used the Alinco DX-77t rig. I would be interested in the pros and cons of this rig for QRP use. I can't believe what they are selling them for. Thanks.

Les K4NK

Date: Wed, 16 Dec 1998 16:34:52 -0800 (PST)
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>
To: qrp-l@lehigh.edu
Subject: [27458] Buy, trade, and sell items
Message-ID: <199812170034.QAA10985@heracles.llnl.gov>

I need :

an 18.0 MHz crystal, HC-49 style, equivalent to that used in the SST/20m
kits. Purpose: stretch the VX0 range.

also, Varicaps (2) suitable for ABX conversion of SST kit.

HamKey paddle/key combo . Doesn't have to be pristine as I will be taking it
into the brush...

and also, an Elecraft K2 (if one should become available in 1999...) (!!!)

I will have for sale soon the following:

SST/40m stock (recently bought one with KC1 installed so this is surplus)

\$60

obo

/

NorCal 40A stock, with or without KC1. \$150 with, \$115 w/o (both firm,
and already reduced!)

NC20 kit \$100 (!), \$8 more for the 10 turn pot. (available sometime in 1999)

Tick 3 chip, version for NC20. \$15 (only available if NC20 kit is committed)

2 J310s, anticipated to be added to NC40A as part of hotrod exercise \$2 for 2.

Unless we trade items, buyer pays shipping.

Also have a 2-section crankup tubular mast tower (old Tri-Ex), \$200. u-haul,
from East Bay CA QTH.

Motivation: moving from monoband rigs to K2 for all but extreme portable use
(like real backpacking with ham gear along...) sometime in 1999.

Thanks for listening...

The semester is over (actually as soon as I grade the final exams tonight), so I will be joining the Foxhunts from now on...

K7GT

agtaylor@llnl.gov

Date: Wed, 16 Dec 1998 19:27:12 EST
From: KF4EIB@aol.com
To: qrp-1@Lehigh.EDU
Cc: tentec@contesting.com
Subject: [27459] MFJ MorseTutor...??
Message-ID: <cc79ea12.36784fe0@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Greetings to all,

MFJ MorseTutor # 418 (I think). One with LCD display.
Gotta get a better grip on learning 13 wpm and up code.
Is this a good investment < or > \$80.00? (Poor choice of words?)
Tapes are really boring, and time on air is not a premium right now.
Have passed the written part of General...just need the code.
SSB on 10 meters IS fun, but I still love the sound of di dah...Hi Hi.
BTW. I have a TenTec Omni D, talk about a GREAT CW machine!
Input? One you want to sell? Is Santa listening?

Thanks,
Gordon kf4eib

The word TROUSERS is an improper noun...
Singular at the top and plural at the bottom.....

Date: Wed, 16 Dec 1998 19:49:52 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: we6w@qsl.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [27460] Re: Bad Propagation last night?
Message-ID: <3678552F.8E1C52EA@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

These conditions have occurred off and on for several days in Fl. Tom,
N1TP.

Ed Loranger wrote:

> GM Friends.
>
> Last night after the fox hunt, I was trying to work Fox Vixen
> Mary on 7110. She listens to 7040 for my Pixie2, and I listen
> for here at 7110 on my ATS-818 gen coverage rcvr.
>
> Since I'm stuck on the lower 40 we thought it would be fun,
> especially since I can't work the N/T+ fox until after
> our move in February and I get the Drake TR-3 Fixed.
>
> Point: Suddenly last night between 0500Z and about 0745Z I
> noticed the BFO died on my rcvr -- Or something was wrong!
> (ATS-818 receiver)
>
> This morning all is OK. But last nite the signals contained a
> low frequency component that was definately on the CW note.
> This morning the BFO is normal. This was on the 40 meter band.
> But last nite, the entire 40 meter band had no-tone CW signals.
> Also this problem didn't appear as I tuned down to WWV and their
> tic was perfect. I tuned down to 80 meters and my BFO had
> no problem with signals. But 40 meters was hosed.
>
> So it wasn't my radio as I could see.
>
> Anyone else notice the 40 meter band was distorting all
> signals? This is not the Long-path watery sounding code.
> this is different. I also heard this
> on my OHR-100 which I had temporarily in use for the foxhunt.
>
> Bizaare! Anyone else hear this?
>
> -Ed
>
> --
> 72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA

> QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: 16 Dec 98 20:05:20 EST
From: Roy Lincoln <wa4dou@usa.net>
To: qrp-l@lehigh.edu
Subject: [27461] Century 21 Xcvr. still available
Message-ID: <19981217010520.15040.qmail@www0r.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

My buyer for it backed out. 73 Roy WA4DOU

Get free e-mail and a permanent address at <http://www.netaddress.com/?N=1>

Date: Thu, 17 Dec 1998 01:51:51 -0600
From: tshilhanek@juno.com
To: qrp-l@Lehigh.EDU
Subject: [27462] Sierra Agc.
Message-ID: <19981217.015151.10094.0.tshilhanek@juno.com>

I seem to have a problem with the agc circuit in the sierra. There is a small agc pop when receiving stronger signals especially when there are spaces between transmissions. I replaced several parts D1,U1,C22 and changed the values of R5 and C26 without success. Has anyone had a similar problem? If so, I'd like to hear from you
Thanks
Terry WOPFR

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or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 16 Dec 1998 19:42:35 -0600
From: "Craig B. Johnson" <johns516@maroon.tc.umn.edu>
To: <qrp-l@lehigh.edu>

Subject: [27463] The book, Reflections
Message-ID: <002a01be295e\$aad4f3e0\$a2175ea0@rv-johnsoch.rsv1.unisys.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

George,

A couple of weeks ago, my friend recently got the following message from Walter Maxwell, the author of "Reflections".

>

> Thank you for the inquiry concerning my book Reflections. I'm sorry to
> say it's out of print. However, I am presently working on the 2nd edition,
> which will be published by Armond Noble, the publisher of Worldradio
> Magazine.

>

>73, Walt, W2DU

This is very good news. I consider my copy of "Reflections" to be one of my most valuable textbooks. The antenna theory that he explains and the myths that he exposes in this book are extremely important to understand.

Yes, there is controversy regarding the conjugate match theory that is explained in the book. I believe this is why the ARRL has chosen to not reprint it since 1990.

- Craig, AA0ZZ

>Date: Wed, 16 Dec 1998 01:04:00 EST
>From: k5ht@juno.com (George W. Lee)
>To: qrp-l@lehigh.EDU
>Subject: [27406] Book - Reflections
>Message-ID: <19981216.000339.2591.0.k5ht@juno.com>

>

>Can anyone tell me where I can get a copy of "Reflections" by Walter
>Maxwell? Have tried amazon.com and barnesandnoble.com with no positive
>results. Thanks for any help as I think it is out of print and may be
>the proverbial needle in a haystack.

>

>73, George KJ5C

Date: Thu, 17 Dec 1998 02:05:44 -0500
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>
To: qrp-1@lehigh.edu
Subject: [27464] T-kits - Thanks for comments
Message-ID: <3.0.16.19981217015104.0987ef42@som-uky.campuscw.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks to all who sent comments regarding the Ten Tec
13xx QRP transceivers. Most were very positive. A few
comments mentioned some troubles with early kits.

The impression I get is that it is a nice rig. Good manual,
a lil tubby, and maybe a wee bit hungry for current. Sturdy
enough for rough treatment. Maybe a lil wide in the receiver,
but hey, the ears do the best filtering, right?

tu de Rich

Happy Holidays from
Rich Dailey, KA8OKH <ka8okh@som-uky.campuscw.net>
The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>

Date: Thu, 17 Dec 1998 02:04:59 +0000
From: Peter Larsen <larsenp@cadvision.com>
To: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27465] Re: Canadian Prov. PQ in 10m Test ??
Message-ID: <367866CB.4A280162@cadvision.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi L.B.

Thanks for your post. I laughed so hard I fell out of my chair.

Best post all week!!

Now back to QRP.

--

73 es have fun
Peter
VE6YC D021wc

Did you hear about the dyslexic Satanist?
He sold his soul to Santa

Date: Wed, 16 Dec 1998 21:16:55 -0500
From: Jim Lyons <jlyons@CAM.ORG>
To: qrp-1@lehigh.edu
Subject: [27466] Voltage Standard?
Message-ID: <3.0.5.32.19981216211655.007e1e90@pop.hip.cam.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'm looking for a voltage standard to calibrate a cheap DVM. What is the open circuit voltage of a fresh D alkaline cell? 1.5? Of a fresh 9V alkaline cell? 9.?? Are there other better cells available readily? How precise are the IC voltage standards available ... can't remember any particular part numbers.

No scope here and no secondary voltage standards. What is a guy to do?

Jim Lyons, VE2KN

Date: Wed, 16 Dec 1998 18:39:54 -0800
From: Ward Hill <w_hill@ns.net>
To: qrp-1@Lehigh.EDU
Subject: [27467] New Vanity Call
Message-ID: <103130301b29e1f327ae1@[207.159.15.81]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

To all my friends on the list, WA6FUH is now N1IE.

72, Ward

Ward Hill, N1IE ex WA6FUH
Ex China Laker
Engineer at KQVR, Channel 13 (CBS), Sacramento, CA

http://www.kovr13.com
"Eagles may soar, but weasels aren't sucked into jet engines"
Life Member ARRL QCWA #29531 NorCal Zombie #2660 10-10 #27139
QRP-L #1117 AK/QRP #249 QRP ARCI # 9686
w_hill@ns.net
WA6FUH@KM6PX.#NCA.CA.USA.NOAM

Date: Wed, 16 Dec 1998 20:40:47 -0500
From: VE3JC - John C <jbcumming@wwdc.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27468] FS: Small ABS Project Boxes
Message-ID: <3678611E.391B381F@wwdc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

With all the talk of Fireballs and Mini-L's, I thought somebody might be looking for some small project boxes.

I have a quantity of ABS project boxes, 3.35" X 2.20" X 1.12". These are brand new, still shrink wrapped and come with both a transparent and solid lid and the flush mount screws. They are Hammond Part # 1591 LOR, and you can have any colour you want, as long as it's orange (easy to spot if you drop your miniature rig on the trail!)

I will mail you TWO of these (postage included) for one of the following payment options:

- eight U.S. 46 cent stamps (for my QSL sase'ing)
- four U.S. greenbacks
- three IRC's
- one Partridge in a ... no, better forget about that, I'm not sure of customs implications

Maybe drop me an email to reserve a pair if your interested.

		VE3JC John Cumming
Q		Delaware, ON CANADA
/\		jbcumming@wwdc.com
@` / ----		hf qrp cw bicycle mobile
() \ ()		http://www.geocities.com/CapeCanaveral/Lab/7378/

Date: Wed, 16 Dec 1998 08:03:17 -0600
From: k5zty@juno.com
To: kreinbd@ccgate.dl.nec.com
Cc: qrp-1@Lehigh.EDU
Subject: [27469] Re: Canadian Prov. PQ in 10m Test ??
Message-ID: <19981217.071423.10358.0.k5zty@juno.com>

My NA logging program has PQ in it as the Quebec notation.
PQ and QC are both correct I think.

Bill, K5ZTY
Houston, TX
k5zty@juno.com

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Date: Wed, 16 Dec 1998 22:05:35 -0600
From: "John Burnley" <burnley-ia@worldnet.att.net>
To: <qrp-1@lehigh.edu>
Subject: [27470] Need DMM suggestions for xmas
Message-ID: <19981217040518.CCYG20751@burnley-ppp.phibred.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi everyone! The XYL needs suggestions for a
good but resonably priced DMM to put under the
tree for yours truly; so please your suggestions.
I would imagine a price limit of around \$100 is what
she is looking for. In looking through catalogs, I don't
know one brand from the other (Metex, Wavetek, BelMerit,
etc.). Thanks in advance for the help!

72/73, John NU0V

Date: Thu, 17 Dec 1998 00:16:58 EST
From: k5ht@juno.com (George W. Lee)
To: qrp-1@lehigh.EDU
Subject: [27471] Reflections Help
Message-ID: <19981216.231624.7999.2.k5ht@juno.com>

Just as I expected. Help was there and I really appreciate all the suggestions and addresses. Believe it or not I found a copy for sale and have made the purchase.

Have to echo what I have heard others say.....this group is GREAT!

73, George KJ5C

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or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 17 Dec 1998 01:18:05 -0600
From: William-McShan@ouhsc.edu (Mike McShan)
To: qrp-1@Lehigh.EDU
Subject: [27472] 38S for Sale?
Message-ID: <v01540b00b29e60493f08@[207.193.34.193]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Did I see that someone had an unbuilt 38S for sale? If it is still available then please drop me a line at William-McShan@ouhsc.edu.

Thanks and 72,
Mike N5JKY
Edmond, OK

Date: Wed, 16 Dec 1998 23:41:39 -0800
From: David Adams <adamsclan@netgate.net>
To: QRP <qrp-1@lehigh.edu>
Subject: [27473] 10m Contest Results
Message-ID: <3678B5B3.A04FE9EB@netgate.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, I finally finished entering my log. I ran only qrp SSB. I only ran a few hours each day but am still pleased:

109 contacts x 42 mults x 2 = 9,156 points!

Unfortunately, I could not get Zambia to hear me, but did work a few new ones.

73 de dave, n9uxu

--

David J Adams, N9UXU

adamsclan@netgate.net

Amateur Radio, Flow Cytometry, Digital Photography and Parrot enthusiast

<http://u1.netgate.net/~adamsclan>

Date: Wed, 16 Dec 1998 23:56:50 -0800 (PST)

From: David Kidd <ka7ozo@pacifier.com>

To: qrp-l@Lehigh.EDU

Subject: [27474] THANKS FOR THE HELP

Message-ID: <v03007806b29df946e25c@[216.65.146.47]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Thanks for all the help I received for finding the HTX-100 schematic. It is great that everyone is so willing to help out.

My best wishes for a safe and happy holiday season to all.

CUL & 72,

Dave KA7OZO

Date: Thu, 17 Dec 1998 06:43:00 EST

From: dhlauten@juno.com (David H. Lauten)

To: qrp-l@Lehigh.Edu

Subject: [27475] Re: Heathkit Reflector

Message-ID: <19981217.065050.7087.14.DHLAUTEN@juno.com>

QRP-L Friends,

Is there still a Heathkit Email Reflector?

Will you privately forward the subscription info to me?

Thanks in advance!

72 de David Lauten, KF4HAW
Conway, SC (near Myrtle beach)

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or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 17 Dec 1998 07:18:55 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [27476] FOX: Team scores (fwd)
Message-ID: <Pine.LNX.3.95.981217071617.18441A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

....Bill, K5ZTY, has confirmed the 0222Z contact was N8VAR so this posting
is the updated version of the Team scores....tnx Bill...

....K5ZTY - fox hunt #19...

The 40 mtr Fox Hunt Team Scores

...the Houston Hounds-13.400-hounds-> W5SB,KQ5U

...the Underdogs - 12.245 - hounds -> N4ROA,KI0II

...the Vibro-Fox Finders - 12.000 - hounds -> WE6W,KU7Y,K2VC0,WS8D

...the Fox Nabbers - 10.235 - hound -> K0EVZ,W0CH

...the Texas Tarantulas - 9.500 - hungry hounds this time.

...the Brass Pounders - 8.500 - hound -> N1FN

...the Kentucky Porch Houndz - 8.500 - a hungry bunch here.

...the Northern Lights - 7.735 - hounds -> VE6EWM,VE5RC,VE2KN

...the Swords - 5.994 - hounds -> N8VAR,N8IE

...the Team Apathy - 3.996 - hound -> AB7TT

...the Jersey Diddles - 2.030 - hound -> N2WF

Date: Thu, 17 Dec 1998 09:16:08 -0500
From: n3aaz-qrp@juno.com (John R Kirby)
To: newberry@cyberhighway.net, qrp-1@Lehigh.EDU
Subject: [27477] Re: Project Suggestion Idea...
Message-ID: <19981217.091831.-221631.2.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Greg,

No, not out of line by any means. Projects are great for many, many reasons.

The learning experience from a project can NEVER be replaced.

However, if it is just the end product you seek, may I suggest one or more of the MFJ hardware. They meet or exceed most of your specifications and they are "Made in the US".

The MFJ-1048, for example "high dynamic range passive preselector can't overload, " \$119.95 ><http://www.mfjenterprises.com><< is just one of many they offer.

MFJ, Box 494, Mississippi State, MS 39762 should fetch a very nice 30 plus page catalog.

I have no affiliation with MFJ, however, I am pleased to own several MFJ products :)

Happy Holidays

John
N3AAZ

.

On Tue, 15 Dec 1998 19:29:16 -0700 "Greg Newberry"

<newberry@cyberhighway.net> writes:

>Hello all,

>

>

>I hope I'm not out of line here, but a current thread brought up an
>idea.

>(Which for me is dangerous.) Along with my love for QRP is my love for
>old

>short-wave radios in general. I've got several. Crystal sets as well.

>I grew

>up in a small bedroom with a dim desk light, headphones and a

>short-wave

>radio. Now the point, how about a QRP-L project in the form of a

>Pre-selector. I know that a well designed QRP rig and matched antenna
>might

>not need it. However it will help out, and do something for all the
>receive

>only rigs, short-wave rigs and maybe even crystal radios. Here are
>some

>goals:

>
>No Gain or adjustable. Even a loss for selectivity, but no frontend
>overload.
>Match long wire, dipoles, etc to a 50-300, balanced or unbalanced
>radio
>antenna connections.
>Mute capability if you are using it as a front end to a xmitr/recvr
>QRP
>combo.
>Jumpers or switches for a wide range of impedance matches.
>Receive only, so no Hi-power requirements.
>9-volt battery?
>Wide enough range to cover AM broadcast?
>
>Gain? Not at the loss of frontend overload. Maybe a switchable gain
>for weak
>signals...
>
>Just a thought, but if any of you are like me, and I have several
>short-wave
>rigs with the ANT-GND inputs, and always have less than the proper
>antenna,
>especially while traveling, this could be handy, simple, and fun....
>
>73's
>Greg
>WB7DUO
>
>

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Date: Thu, 17 Dec 1998 06:32:07 -0800 (PST)
From: Duane Alles <ad6he@yahoo.com>
To: KF4EIB@aol.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [27478] Re: MFJ MorseTutor...??
Message-ID: <19981217143207.25189.rocketmail@send203.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi Gordon,

I have one and it worked well for me. I never liked the tapes. I used it mostly for letters that were giving me trouble. Also used the computer program Super Morse.

73,
Duane, AD6HE

---KF4EIB@aol.com wrote:

>
> Greetings to all,
>
> MFJ MorseTutor # 418 (I think). One with LCD display.
> Gotta get a better grip on learning 13 wpm and up code.
> Is this a good investment < or > \$80.00? (Poor choice of words?)
> Tapes are really boring, and time on air is not a premium right now.
> Have passed the written part of General...just need the code.
> SSB on 10 meters IS fun, but I still love the sound of di dah...Hi Hi.
> BTW. I have a TenTec Omni D, talk about a GREAT CW machine!
> Input? One you want to sell? Is Santa listening?
>
> Thanks,
> Gordon kf4eib
>
> The word TROUSERS is an improper noun...
> Singular at the top and plural at the bottom.....
>
>
>

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Thu, 17 Dec 1998 09:42:10 -0500
From: John Levreault <jlevro@mediaone.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27479] DG MOSFET vs. NE602
Message-ID: <36791842.70444E24@mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

It's rig-building time here, but I just can't get excited about another '602 front end, what with my next-door neighbor also a ham, thus wiping out such a rig when he's on. Would anyone care to share any anecdotal evidence comparing the '602 with a dual-gate MOSFET front end? That Malta rig out of SPRAT looks real interesting.

Thanks!

73 de nb1i
John

Date: Thu, 17 Dec 1998 10:03:12 -0500
From: hamjoel@juno.com
To: n1tp@worldnet.att.net, qrp-1@lehigh.edu
Subject: [27480] Re: Bad Propagation last night?
Message-ID: <19981217.100313.-257809.1.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

High gang

well when the signals get low, quiet band the qrp++ acts funny on receive unless the signals come up to s3 or more....

only does this on weak weak signals in absence of noise.... built in to the design I figure, probably the mixer design... otherwise works fine...

great little rig... gonna hate to sell it... but I think I will go back to the icom 735 where I can get enough pwr to do sstv when 5 watts won't cut it....

Got one last antenna idea to try before I do that

joel wa5cvm in maine watching more than sending....

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Date: Thu, 17 Dec 1998 10:25:49 -0600
From: vlantz@juno.com (Vann G Lantz)
To: qrp-1@Lehigh.EDU
Subject: [27481] Public Awareness Award
Message-ID: <19981217.102551.13614.0.VLantz@juno.com>

This message might not interest some of you, but it can't hurt to ask.
The following came from the awards web site:

<snip>

As a HAM, I have notice that the community generally doesn't understand that we are very active in serving the needs of neighbors. This caused me to post information about that and to encourage others to do the same. Here are the rules.

This award is given to web sites that:

1. Inform the general public about Amateur Radio Operators and the services that they perform for the community.
2. Maintain high moral standards on their web site (i.e. no profanity, pornography, insults, or politically motivated statements.)
3. Have a good looking, full functioning web site.

<snip>

<<http://members.xoom.com/VLantz/home.htm>>

Just trying to raise the awareness level a little bit. Thanks.

Vann Lantz
KF4QHJ, AL
QRP-L #1790
VLantz@Juno.Com

"If there is no God, then who pops up the next Kleenex in the box?"

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or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 17 Dec 1998 10:40:07 -0600
From: William-McShan@ouhsc.edu (Mike McShan)
To: qrp-l@Lehigh.EDU
Subject: [27482] Son of FireBall Order Update 12/17
Message-ID: <v01540b00b29ed7790a64@[157.142.56.167]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

I'm pleased to announce that the number of 28.060 MHz oscillators ordered has reached 99. If I receive no further orders, I will increase my order

by one, and the price per unit will drop from \$5.48 to \$5.13. Don't spend your bonus all at one time. ;-)

My current list is below; please check that you've been included and that the number of units requested is correct. We've experienced several days of server problems, so I want to be sure that I don't miss anyone.

Ok, the long-awaited ordering information. With shipping from the manufacturer to me, my price per unit is actually \$5.35 (almost forgot about that little expense!). So, send a check or MO for \$5.35 per unit ordered plus \$1.00 to cover packaging and postage to:

Mike McShan
4209 NE 143
Edmond, OK 73013

By the way, these units are so small, that \$1.00 should cover mailing even if you ordered several units. If I'm off by a couple of pennies, then Merry Christmas. I've got a huge jar full of pennies. :-) PLEASE include with your payment a self-addressed mailing label. One of the adhesive-type mailing labels would be nice, but at least print your name on a piece of paper in the same format as my address above so that I can cut it out and tape it to your package. Thanks for this help.

Bomar crystals says that it will take about two weeks to make the oscillators. I figure that it will be more like three with the holidays upon us.

I will email DX hams directly to make shipping arrangements.

I will continue to accept orders or changes until 5 pm CST today (12/17/98). Write to me at William-McShan@ouhsc.edu.

Thanks to everyone for making this group purchase a success.

72 and Happy Holidays,
Mike N5JKY

Current list:

Name	Call	Number ordered
------	------	----------------

Andreas	AD6FQ	1
Walter	AG5P	3
dave	ab5pc	2
Vic	AB6SO	1
Bob	AB7ST	1
Jim	AL7FS	1

Jon	ea2sn	3
Joel	K1QM	1
George	K3TKS	2
John	K5JS	2
Oscar	K5UBS	1
Kaye	K8GZ	2
Steve	K8IDN	2
Douglas	KA2UPW	1
Rod	KA7YOU	2
Bruce	KB0PZD	2
Clyde	KB4CUQ	1
Mike	KB9OCE	1
Jim	KC1FB	1
Ed	KC4MHM	1
Rick	kf4ar	2
Mac	KF4KSM	2
Doug	KI6DS	5
Bruce	KL7H	2
Wes	N0IHM	1
George	N2APB	2
Joe	N2CX	2
Robert	N2LO	2
Kevin	N2TO	1
Bill	n2wf	1
Al	N2ZHS	2
David	n2zhy	2
Alan	N3BJ	1
Scott	n3byy	1
Jerry	N4EO	2
Mike	N5JKY	3
Bart	N5WL	2
Ralph	N7RI	1
Bruce	N7RR	1
Skip	NC9O	1
Jerry	NR5A	1
Earl	VE3AB	1
John	VE3JC	1
Brien	VE3VAW	1
Jerry	W0MC	1
Lee	w0vt	2
John	W2IV	1
Dick	W2SCF	1
Rick	W4SEA	2
Karl	W5QJ	2
Brian	W5VBO	1
Mike	W8DN	2
Joe	W8RIK	1
Vince	WA2ECP	1

Charlie WA5KRF 2
Mike WA8MCQ 4
Keith WB2VUO 2
John WB4OFT 1
Rick Wz2t 1
Frank Henrikson 2
Roger K Bassett Jr. 2

Total Ordered 99

Date: Thu, 17 Dec 1998 11:40:46 -0500
From: "Ed Tanton" <n4xy@mindspring.com>
To: <ku7y@dri.edu>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [27483] RE: Analog Devices
Message-ID: <004601be29db\$fef50640\$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'll tell you what Ron... it takes a heckuva company to publicly make an admission like that! I've always liked them, and now I REALLY like 'em!

Date: Thu, 17 Dec 1998 11:50:19 -0500
From: "Ed Tanton" <n4xy@mindspring.com>
To: <tpettibo@NMSU.Edu>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [27484] RE: Kinda QRP
Message-ID: <004701be29dd\$54445c30\$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Tim... while hard to find, a Lowe HF-150 is terrific for what you want to do with it. VERY small, yet very capable. You might consider whatever Sony rcvr is current. I-personally-am not too impressed with Sangean... unless

cost is a heavy factor. I would suggest whatever you get, you include an active antenna... there's no sense attracting unwanted attention from anyone over there-where even a small wire antenna might be misconstrued. The Drake R-8(A) (B?) is a really nice SW rcvr-but pricey, and not THAT small. Drake makes a couple of less expensive rcvrs, but I don't know about their capabilities. I'm not certain they're still making the Lowe HF-150-I think they are... and new or used I have to admit it's also a bit pricy-but definately worth it. They have a website somewhere-I think.

Date: Thu, 17 Dec 1998 09:13:43 -0800
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [27485] Dynamic Range ramblings
Message-ID: <000101be29e0\$99807ba0\$9f05b2d1@rmccarty.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Pardon me if this subject has been discussed before. It seems such an important topic, and interesting as well, that I thought I would bring it up. Hopefully others will contribute to the discussion.

I am prompted to hear what others think, as I once again have experienced how good dynamic range can contribute to a successful Qso or on the contrary, how limited dynamic range can spoil a Qso. I just completed a Qso with my 40m "Oner" transceiver. A cheap limited parts count minimalist (a master of redundancy) unit made available by the Kanga Company. It is a very simple direct conversion receiver with no filtering whatsoever in the audio chain. Yet, the dynamic range is amazing! I am able to hear and copy clearly, very weak stations, although they are completely covered by noise and/or local strong stations on BOTH sides of zero beat.

Like many of you, I have a couple of different Qrp transceivers, both home-brew and kitted units. After many hours of listening, I find that I am now quite the Direct Conversion fan. In every case, the DC receivers allow a significant improvement in dynamic range to the point that in all but extreme cases, the lack of single signal reception is not a problem. Further, and believe me for matters of personal observations and subsequent denial (it can't be, I spent way too much money for this to be true)I find I prefer listening to a DC receiver over my kilobuck commercial transceiver (not a Ten-Tec).

Another personal observation, I will not consider any transceiver in the future that uses an NE602 or equivalent. Although true they offer an inexpensive and minimal parts count superheterodyne transceiver, the negatives in terms of low dynamic range and overload/IMD problems IMO offset any gain they offer. A good quality DC receiver will outperform them everytime.

Being employed in the electronics industry for my entire life, I am aware of the underlying technical reasons for these results. Even so, I find myself delighted and amazed everytime I listen to a well designed DC receiver. I am strongly motivated to try the R2. That has to be just an amazing receiver.

I would be interested to hear others experiences and opinions regarding this.

72!

Roger A. McCarty ARS KD6CC
<http://www.qsl.net/kd6cc>

Caution! The 2nd Law of Thermodynamics is at work on all things at all times.

Mankind and Human nature are not exempt from entropy. The only solution is to decide on a higher standard, and commit yourself to it.

Date: Thu, 17 Dec 1998 12:16:59 -0500
From: "Ed Tanton" <n4xy@mindspring.com>
To: <burnley-ia@worldnet.att.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [27486] RE: Need DMM suggestions for xmas
Message-ID: <004a01be29e1\$0e04f960\$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi John... there is a PROTEK that not only has nice big characters (and an LED backlight!!!), but measures all sorts of things, and has an RS-232 interface built-in. Even comes WITH the software. Mine is the model 506, but there may be a later one by now, since it's been at least a couple of years. It autoranges on all scales, has a buzzer continuity function, L, C, and T measurements, true RMS, dB, Freq (to 10MHz), and microamps to 20A... which is a pretty good stretch-with 3 ranges, and fuses for 0.5A and 20A (microamps

has its own PTC. It will also measure microamps AC to 100kHz. I forget now, but seems like it was \$129 a couple of years ago. Also comes with a rubberized slip on case for those times you just cannot resist dropping it. I have a Fluke 8020-A, and a Keithley 2000 6.5 digit DVM, but I use my PROTEK the most. You can get them through several of the vendors in Radio Electronics, and through Hosfelt Electronics.

Date: Thu, 17 Dec 1998 12:24:10 -0500
From: hamjoel@juno.com
To: qrp-1@lehigh.edu
Subject: [27487] rtty qrp... the way it should be done :-)
Message-ID: <19981217.122410.-257969.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Highest gang and merry Christmas etc
well I got two rtty qso's
Ve3eqt was my very first qso... Chris...passed all necessities and
chatted a bit
kb4new was my very second rtty qso.... Chuck

Got good rst reports and oh.... 5 watts huh... making believers...

my cajun mama is happy with her cajun son today... gonna cook up some
frog legs for me... oh, mama got to see sneaux today... called it a qrp
sneaux, she did... just a little sneaux on the ground..... oh I love my
cajun mama
joel ,wa5cvm ,in maine, in the sneaux, rtty'ing till the frog legs are
cooked....

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or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 17 Dec 1998 18:17:27 -0000
From: "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
To: "gqrp-1" <gqrp-1@blacksheep.org>, "qrp-1" <qrp-1@lehigh.edu>
Subject: [27488] Norcal 40
Message-ID: <001001be29e9\$8310fd00\$4eedb094@t7w6w7>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Can anyone tell me if there is a pcb or overlay for the Norcal 40, please?

.....
Frank G3YCC
GQRP Club 042
(g3ycc@g3ycc.prestel.co.uk)
Award winning QRP Web Site:
<http://www.homeusers.prestel.co.uk/g3ycc/index.html>

Date: Thu, 17 Dec 1998 12:33:09 -0500
From: W5TB <w5tb@SoftHome.net>
To: qrp-l@Lehigh.EDU
Subject: [27489] PA3BWK's Ultimate CW site
Message-ID: <v04011709b29ef0c610e5@[10.4.13.11]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

oops, that should have read

PA3BWK's Ultimate CW site at <http://www.dutch.nl/wilbwk/index1.htm> for
links to manufacturers and great cw links.

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@softhome.net <http://www.qsl.net/w5tb/>
QRPARCI # 3252 NORCAL #1002 QRP-L #673 FISTS # 5365
ARRL Life Member

Date: Thu, 17 Dec 1998 10:43:06 -0800 (PST)
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>
To: qrp-l@lehigh.edu
Subject: [27490] FS/Trade/Buy items
Message-ID: <199812171843.KAA14198@heracles.llnl.gov>

The SST/40 and NC20 kit (future) are committed. I still have the NC40A with or
without KC1. No one had a K2 for sale....!!!

K7GT

Date: Thu, 17 Dec 1998 14:12:58 -0500
From: "Jim Kortge, K8IQY" <jokortge@cwix.com>
To: n2tpa@juno.com (Bill d Lazure)
Cc: qrp-1@lehigh.edu
Subject: [27491] Re: Elmer 205
Message-ID: <3.0.1.32.19981217141258.006c2e64@mail49.cwix.com>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

At 07:53 PM 12/16/98 -0500, you wrote:

>Jim,
Hi Bill

>
> I too have acquired SPICE for the lessons. Am having some trouble
>using it though. How do you create or make a new file?
The .cir files are ascii text files that can be created/changed
with any text editor, such as Windows NOTEPAD. If you were using
NOTEPAD, you would specify the file extension as .cir, otherwise
NOTEPAD would use it's normal .txt extension.

>I haven't
>figured out how to make the file Chuck described, because SPICE doesn't
>seem willing to create a new file, and none of my other programs make
>.cir files.

You're observations are correct. There is not editor built into
this version of SPICE for creating the .cir files. Any any common
editor, like NOTEPAD, will not save the file as a .cir type unless
specifically directed to do so by giving it the desired file
extension type. So if you create a new file with NOTEPAD, for
example, after you have typed in all the text info, you would to
a "SAVE AS" operation and when prompted for the file name, put
in "myfile.cir". The filename, 'myfile' is anything you want the
SPICE file to be called.

I can send you a SPICE file if you like and can receive attached
e-mail files. Just let me know.

The newer versions of SPICE that were written to work with various
versions of WINDOWS 95/98 have the capability to build the
.cir file as you create a schematic, so no external editor is
required. But those versions of SPICE are not free. :-)

>From your post, sounds like you knew your way around
>computers a bit. I don't.
Well a little. Played with my first one in 1961, but am not
really into programming anymore, especially with high level

languages. I still like assembler the best!

>If you can reply to this, please put it in language even a child
>would understand. 'cause I'm a one year old on the computer!
I've tried....hope it all makes sense. If it doesn't, we'll
try to answer a different way. I'm going to post the reply
to QRP-L as others may be scratching their heads also.

72 and happy holidays to you and your family.

Jim, K8IQY

Date: Thu, 17 Dec 1998 14:37:06 -0400
From: w4bld@juno.com
To: QRP-L@lehigh.edu
Subject: [27492] Question on Repair (not qrp)
Message-ID: <19981217.143713.-942597.7.w4bld@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang - Does anyone know of a service center that repairs ICOM equipment?
I have sent things to the CA location and they come back in worse shape
than they were when I sent them. Any help will be appreciated. THANKS
Bob (sorry for the off subject post but I need help badly)

Robert B. Kerby - W4BLD
PO Box 991 (231 Rosser Avenue)
Waynesboro, VA 22980
(540) 942-4356
(I collect Gonset, Morow and Elmac)

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or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 17 Dec 1998 19:48:42 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [27493] OHR-100 Drift Project.

Message-ID: <3679601A.483C@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Good morning QRP list fanatics.

Only 14 hours of work until my 2 week vacation!!!
That is a way of saying: we6w@juno.com will be my
only email access so I'll catch your private mail
there anytime over my holiday.

OK. Business.

Here's an update on my Drift measurement set-up.

I have a battery operated temperature device that
is used in production areas where the ambient temperature
during various tests needs to be recorded.

Unfortunately, I had forgotten to set the memory Min/Max
feature when benchmarking the Stock OHR-100 at the beginning
of this project. So I can only estimate the drift per
degree Fahrenheit of the stock unit. My estimate is
conservative at 300 Hz/degree Fahrenheit.

Currently I am running 8 to 10 hour drift measurements with
the VFO Monitored on the Spectrum Analyzer at 250 Hz per division
and 5 second sweep rate. The "Max Hold" feature records all
frequency deviation -- resulting in a line that connects
all the peak readings. Easy to measure the Delta Frequency
for the time period. Additionally, the temperature probe
is sitting inside the Rig, the topcover of the radio nearly
closed except for space to pass the wire from the probe.

The Min/Max temperature reading is stored in the temperature
recording display. When collecting data, I recorded the Range
of temperature, and also the range of frequencies it has
drifted.

The following data in no way suggests that my OHR-100 is
indicative of OHR radios in general, nor is this suggested
to be typical of any radio of similar design. The data
reflects only the performance of this particular OHR-100
radio as built from parts supplied with the kit. Additionally,
the data is measured with equipment that is known to be
accurate. Also, the steps used to improve stability of

the radio are not necessarily performed in the only sequence possible and represent only my approach to the problem and is also a learning experience for me.

Throughout all testing, the OHR-100 rig remains in usable condition and meets all specs. It is calibrated.

Rig Fact: When heated, the VFO frequency goes lower.
As it cools, the VFO freq. goes higher.

The span covering the lowest and highest frequency is the Delta_F. The temperature is the difference between the max and min temperature as measured inside the radio approximately 1 inch from any component within the radio and is considered equivalent to ambient temperature of all components in the VFO area. Sufficient insulation is provided to eliminate the effect of drafts on the measurements such that a sudden blast of cold air shall not affect the measurements unless said blast of cold air was specifically directed at the components.

1) Stock Kit:

Measured *(Note 1): 300 Hz/degree Fahrenheit

** Any VFO Capacitor will cause lowering of freq. when warmed.

** NP-0 capacitors (3 of them) were not NP-0 as measured.

2) Replaced 3 of 5 vfo capacitors with -150 polystyrene caps:

Measured: 50 Hz/degree Fahrenheit .

Raw data:

8 AM to 6 PM:: 1.5 KHz span over 30 degrees Fahrenheit.

3) Boiled L113 (Vfo Toroid) in water for 10 to 15 minutes.

** Soldered into circuit and allowed to cool for 4 hours.

Measured Data:

10 PM to 7:30 AM:: 750 Hz span BUT Accidentally hit RESET on temperature device.....

Currently repeating last test....

7:30 AM to 9:10 AM:: 220 Hz over 6 degree Fahrenheit.

36.7 Hz/degree F.

More real data tonight.

Still not happy with 250 Hz drift over 5 degree temperature change.

-Ed

Note 1: Minimum drift measured at >300 Hz over 1 deg. temp change while monitoring ambient temperature when the house heater

kicked in. No Drafts allowed near radio. margin of error based on .05 deg. resolution of temp. meter is +/- 15 Hz.

--

72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Thu, 17 Dec 1998 14:50:07 -0500 (EST)
From: rex@ime.net (Rex Harper)
To: qrp-l@lehigh.edu
Subject: [27494] printed circuit board trace inductors
Message-ID: <v01530505b29f738845e7@[209.90.242.84]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

For my latest project, I am trying to fabricate small flat inductors using concentric circuit board traces. I was wondering if any of the designers on the list have any references or sources they could point me to for the design of these PCB inductors. I have no info in either of the two PCB design texts that I have in my personal library. Thanks in advance for any help!

Rex W1REX "The Tin Man"

Date: Thu, 17 Dec 1998 14:42:38 EST
From: Robsparks@aol.com
To: qrp-l@lehigh.edu
Subject: [27495] AR QRP 40m net results
Message-ID: <785060af.36795eae@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

The net started at 0130Z on 7.0425, QSY up from the usual 7.042 due to an ongoing QSO at 7.042 at starting time. We will try to stay as close to 7042 as is practical and polite when this sort of thing happens. Band conditions were fair early, but once again deteriorated as the net progressed with SSB QRM becoming particularly bad by about 0200Z. We had some new check-ins and some "regulars" as well. Most sigs were easily copied from my QTH in Louisiana

between bouts of QRM and QRN. The following stations checked in:

K1QM	Joel	MA	
VE2KN	Jim	QC	
N5WL	Bart	OK	SRI we lost you!
K8KV/4	Ben	FL	
K3CHP	Joe	MD	
WN9U	Gary	WI	

The Arkansas QRP Club net meets Wednesday Night at 0130Z at 7.042 mhz
Non-members are welcome (and encouraged) to check in

Bob Sparks AB5ZD AR-QRP #277

Date: Thu, 17 Dec 1998 12:29:34 PST
From: Roger Traylor <traylor@ECE.ORST.EDU>
To: qrp-l@lehigh.edu
Subject: [27496] C0G vs NP0 caps
Message-ID: <199812172029.MAA18130@guille.ECE.ORST.EDU>

Gang,

Are C0G and NP0 caps the same as far as capacitance variation with
temperature? I am going to use them in a VFO tank circuit.

Roger Traylor
WB4TPW

Date: Thu, 17 Dec 1998 15:38:43 EST
From: Shephed@aol.com
To: qrp-l@lehigh.edu
Subject: [27497] Re: New Vanity Call
Message-ID: <664d6684.36796bd3@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

<To all my friends on the list, WA6FUH is now N1IE.
<
<72, Ward

Ward, I love the call. We have to set up a sched.
72, Dan
N8IE

End of QRP-L Digest 1308
